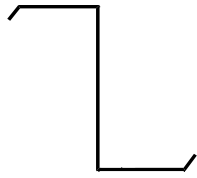


# SECONDARY FRAMING

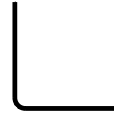
**CONDENSED  
TECHNICAL  
REFERENCE**



Equal Leg Zee



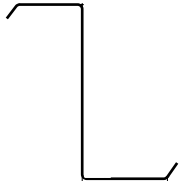
Cee



Angle



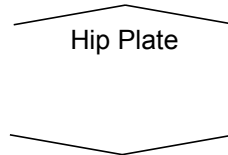
Eave Struts



UnEqual Leg Zee



Channel



Hip Plate

Valley Plate

**VARIOUS  
PROFILES**

**PUNCHING  
AVAILABLE**

**GALVANIZED  
OR  
RED OXIDE**

**12, 14 AND  
16 GAUGE**

**CUSTOM  
LENGTHS**

## PRODUCT OVERVIEW

► **Material:**

Galvanized per ASTM A 653-11  
HSLAS, Grade 55, Class 1, G90  
Minimum Yield is 55 ksi  
Minimum Tensile is 70 ksi  
Minimum 2" Elongation is 11% for all gauges

Painted per ASTM A 1011-12  
SS, Grade 55, Red Oxide  
Minimum Yield is 55 ksi  
Minimum Tensile is 70 ksi  
Minimum 2" Elongation is 15% for 12 gauge  
14% for 14 gauge  
9% for 16 gauge

► Thickness: Gauge	Minimum Coated Thickness	Design Thickness*
16	0.057"	0.058"
14	0.067"	0.069"
12	0.099"	0.103"

\* per AISI S100-07, Section A2.4.

- **Length Limits:**
- Zee: 7'-0" to 45'-0" in 1/8" increments
  - Cee: 6'-0" to 45'-0" in 1/8" increments
  - Eave Strut: 6'-0" to 39'-0" in 1/8" increments
  - Channel, Angle and Hip / Valley Plate: 20'-0" standard

# SECONDARY FRAMING

**CONDENSED  
TECHNICAL  
REFERENCE**

## STANDARD SHAPES

<b>Equal Leg Zee:</b>	<b>Depth</b>	<b>Flange Width(s)</b>	<b>Depth</b>	<b>Flange Width(s)</b>
	(inches)	(inches)	(inches)	(inches)
	4	2 <sup>1</sup> / <sub>2</sub> , 3 <sup>1</sup> / <sub>2</sub>	6	2 <sup>1</sup> / <sub>2</sub>
	8	2 <sup>1</sup> / <sub>2</sub> , 3 <sup>1</sup> / <sub>2</sub>	9	3, 3 <sup>1</sup> / <sub>2</sub>
	10	2 <sup>1</sup> / <sub>2</sub> , 3, 3 <sup>1</sup> / <sub>2</sub> , 4	12	2 <sup>1</sup> / <sub>2</sub> , 3, 3 <sup>1</sup> / <sub>2</sub>
<b>UnEqual Leg Zee:</b>	<b>Depth</b>	<b>Flange Width(s)</b>	<b>Depth</b>	<b>Flange Width(s)</b>
	(inches)	(inches)	(inches)	(inches)
	4	2 <sup>1</sup> / <sub>8</sub> & 2 <sup>3</sup> / <sub>8</sub>	6	2 <sup>1</sup> / <sub>8</sub> & 2 <sup>3</sup> / <sub>8</sub>
	8	2 <sup>1</sup> / <sub>8</sub> & 2 <sup>3</sup> / <sub>8</sub> , 3 <sup>1</sup> / <sub>8</sub> & 3 <sup>3</sup> / <sub>8</sub>	9	2 <sup>5</sup> / <sub>8</sub> & 2 <sup>7</sup> / <sub>8</sub> , 3 <sup>1</sup> / <sub>8</sub> & 3 <sup>3</sup> / <sub>8</sub>
	10	2 <sup>1</sup> / <sub>8</sub> & 2 <sup>3</sup> / <sub>8</sub> , 2 <sup>5</sup> / <sub>8</sub> & 2 <sup>7</sup> / <sub>8</sub> , 3 <sup>1</sup> / <sub>8</sub> & 3 <sup>3</sup> / <sub>8</sub> , 3 <sup>5</sup> / <sub>8</sub> & 3 <sup>7</sup> / <sub>8</sub>		
	12	2 <sup>1</sup> / <sub>8</sub> & 2 <sup>3</sup> / <sub>8</sub> , 2 <sup>5</sup> / <sub>8</sub> & 2 <sup>7</sup> / <sub>8</sub> , 3 <sup>1</sup> / <sub>8</sub> & 3 <sup>3</sup> / <sub>8</sub>		
<b>Cee:</b>	<b>Depth</b>	<b>Flange Width(s)</b>	<b>Depth</b>	<b>Flange Width(s)</b>
	(inches)	(inches)	(inches)	(inches)
	4	2 <sup>1</sup> / <sub>2</sub> , 3 <sup>1</sup> / <sub>2</sub>	6	2 <sup>1</sup> / <sub>2</sub> , 4
	8	2 <sup>1</sup> / <sub>2</sub> , 3 <sup>1</sup> / <sub>2</sub> , 4	9	3, 3 <sup>1</sup> / <sub>2</sub>
	10	2 <sup>1</sup> / <sub>2</sub> , 3, 3 <sup>1</sup> / <sub>2</sub> , 4	12	2 <sup>1</sup> / <sub>2</sub> , 3, 3 <sup>1</sup> / <sub>2</sub> , 4
<b>Channel:</b>	<b>Depth</b>	<b>Flange Width(s)</b>	<b>Depth</b>	<b>Flange Width(s)</b>
	(inches)	(inches)	(inches)	(inches)
	4 <sup>1</sup> / <sub>8</sub>	3	6 <sup>1</sup> / <sub>8</sub>	3
	8 <sup>1</sup> / <sub>8</sub>	2, 3, 4	9 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub> , 3 <sup>1</sup> / <sub>2</sub> , 4
	10 <sup>1</sup> / <sub>8</sub>	2, 3, 3 <sup>1</sup> / <sub>2</sub> , 4	12 <sup>1</sup> / <sub>8</sub>	2, 3 <sup>1</sup> / <sub>2</sub> , 4
<b>Eave Strut:</b>	<b>Depth</b>	<b>Flange Width(s)</b>	<b>Depth</b>	<b>Flange Width(s)</b>
	(inches)	(inches)	(inches)	(inches)
	6	3 <sup>1</sup> / <sub>2</sub>	8	2 <sup>1</sup> / <sub>2</sub> , 3 <sup>1</sup> / <sub>2</sub> , 5
	9	3 <sup>1</sup> / <sub>2</sub> , 4	10	4
	12	3 <sup>1</sup> / <sub>2</sub>		
Styles include: Low Eave - Single Slope, Low Eave - Double Slope, High Eave - Single Slope, High Eave - Double Slope and Universal				
<b>Angle:</b>	<b>Leg 1</b>	<b>Leg 2</b>	<b>Leg 1</b>	<b>Leg 2</b>
	(inches)	(inches)	(inches)	(inches)
	2	2	3	2, 3
	4	2	6	4
<b>Hip / Valley Plates:</b>	<b>Leg 1</b>	<b>Leg 2</b>	<b>Leg 1</b>	<b>Leg 2</b>
	(inches)	(inches)	(inches)	(inches)
	7	7	9 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>
	10	10		

Note: Not all shapes and sizes are available at all branches.

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